

## **Refrigerator Comprising a Regenerator**

### **Abstract**

The invention relates to a refrigerator (1) comprising a housing (2, 14, 19), a cylindrical working chamber (15, 21), a cylindrical displacing member (11, 17), a gap (36, 38) which is located between the housing and the displacing member, a regenerator which is disposed inside the displacing member, and a device alternately supplying the working chamber with an effective high-pressure gas and an effective low-pressure gas. In order to overcome the disadvantages associated with gas streams occurring in the gap (36, 38), an additional regenerator (gap gas regenerator), (43) is assigned to the gap (36, 38).

(drawing figure 1)